I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING FACSIMILE TRANSMITTED TO THE PATENT AND TRADEMARK OFFICE ON THE DATE SHOWN BELOW.

Name of person signing certification:\_

PATENT

7671

Post-it\* Fax Note

Attorney's Docket No. 111228TWT.US

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

RECEIVE

JAN 1 3 2000

**TOLSON** 

Technology Center 2600 Art Unit: 2681

Application No.: 10/040,535

Examiner:

Filed: 12/28/01

Office of Petitions

For: TWIN-T DUAL NOTCH FILTER

## RENEWED PETITION UNDER 37 CFR 1.47(b)

Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

RECEIVED DEC 0 4 2002

OFFICE OF PETITIONS

Applicant hereby makes renewed petition for Tropian Inc. ("Tropian") to make application for patent on behalf of and as agent for the sole inventor of the present application, Nigel J. Tolson, a resident of Great Britain residing at 5 Brading Way, Purley-on-Thames, Reading, Berks, GB RG8 8BS.

In further support of the petition are the following: the declaration of Nigel J. Tolson, signed on his behalf by Steve Knowles, VP of Tropian; and the declaration of Michael J. Ure.

PATENT Attorney's Docket No. 111228TWT.US Page 2

The present petition is necessary to avoid loss of rights by the rightful assignee, Tropian. If the present renewed petition is not granted, Tropian will be unable to secure U.S. patent rights in the valuable invention of Mr. Tolson made for Tropian in the course of his employment and pursuant to his employment agreement with Tropian. Tropian would, as a result, experience irreparable harm.

Respectfully submitted,

TROPIAN, INC

By: Michael J. Ure (Reg. No. 33,089)

20813 Stevens Creek Blvd. Cupertino, CA 95014 (408) 422-1319

Date: December 3, 2002

llease type e plus sign (+) inside this b	∞x → 🛨	A Balons and Trade	pproved for use U	PTO/S Trough 9/30/00. ON DEPARTMENT OF	68/01 (12-97) 18 0651-0032			
Under the Paperwork Reduction a valid OMB control number.	Act of 1995, no person	ns are required to resp	and to a collection	of Information union	ss it contains			
		Attorney Doc	ket Number	111228TWT	.us			
DECLARATION FOR DESIGN		~	First Named Inventor TOLSON					
PATENT APPL	•		COMPLETE IF KNOWN					
(37 CFR 1		Application N	umber	/ 10/0-	40,535			
		Filing Date	12/2	12/28/02				
	laration mitted after Initial	I Group Art Uni	•	DEOC!!				
Ja!	ing (surcharge 7 CFR 1.16 (e))			TEG	FIVED			
	uired)	Examiner Nar	ne	JAN 1	2 2000			
				OAN I	0 2003			
Δs a below named inventor, I	ereby declare that:			Technology	Center 260			
My residence, post office address	s, and citizenship are e	s stated below next to	my name.		100			
I believe I am the original, first ar names are listed below) of the au								
Twin-T dual notch		BINEC ENGINE TO WINGITS	patern to accept to	ar are area and area.				
Twin-1 dual notch filter								
the specification of which is attached hereto	(Title	of the invention)		•				
OR  was filed on (MM/DD/YYY	Y) 12/28/2002	as Ur	ited States Applic	ation Number or PC	T International			
Application Number 10/040 6		s amended on (MM/DD	·····		(if applicable).			
Application Number 10/040.5		•		on, including the da				
amended by any amendment spe	dically referred to above	/e.						
I acknowledge the duty to disclose	n ei riointw noitemathi is	eterial to peternability	as defined in 37 C	FR 1.56.				
i hereby claim foreign priority ban certificate, or 365(a) of any PCT i America, listed below and have also or of any PCT international applica-	afits under 3\$ U.S.C. international application or identified below, by cl on having a filing date	119(a)-(d) or 365(b) of which designated at hecking the box, any fo before that of the appli	any foreign appl least one country reign application ( cation on which p	ication(s) for patent other than the Un- or patent or inventor dority is claimed.	t or inventor's ited States of or's cartificate,			
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy	y Attached? NO			
	•	•						
			<u> </u>	<u> </u>				
Additional foreign application of	imbers are listed on a	supplemental priority de	ata sheet PTO/SB	/02B attached heret	a:			
I horeby claim the benefit under 2								
Application Number(s)	Filing Date	(MM/DD/YYY)						
				ional provisional sers are listed on				
		·	supp	lemental priority of SB/02B attached	iata sheet			

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the smount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Tredemark Office. Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED

DEC 0 4 2002

**OFFICE OF PETITIONS** 

4	0	8	-	6	1	7	4	8	5	l

Please type a plus sign (+) inside this box -> Under the Paperwork Reduction a valid OMB control number.	+ Act of 1995, no persons	Patent and Tr s are required to	ademark Offic	o: U.S. DE	PTO/SB/01 (12-97) ough 9/30/00. OMB 0851-0032 EPARTMENT OF COMMERCE of information unless it contains		
DECLARATION -	- Utility or	Design	Pate	nt A	pplication	J	
I hereby claim the benefit under 35 U.S.C. 120 o United States of Amorica, listed below and, inse United States or PCT International application in Information which is material to patentability as and the national or PCT international filling data	plan as the subject mette the manner provided by the defined in 37 CFR 1.56 to	r of each of the	daims of this	application	on is not disclosed in the prior knowledge the duty to disclose		
U.S. Parent Application or PCT Parent Parent Filing Date Parent Patent Number (MM/DD/YYYY) (if applicable)							
Additional U.S. or PCT international applicat						1	
<u> </u>	ig registered practitioner( Customer Number OR Registered practitioner(s)		$\Box$	<b>-</b>	ansact all business in the Paten Pisce Customer Number Bar Code Label here		
Name	Registration Number		Name		Registration Number	1	
Michael J. Ure	33.089						
Additional registered practitioner(s) named or	supplemental Registers	d Practitioner Inf	ormation shee	t PTO/SB	/02C attached hereto.	1	
	ar Number ode Label 30233	3	OR [	Corre	RECEI		
Name		<del></del>				[	
Address					JAN 1 3	2003	
Address	· · · · · · · · · · · · · · · · · · ·				- Technology Co	nter 2600	
City		State		ZIP		11101 2000	
Country	Telephone			Fax			
I hereby declare that all statements made herel believed to be true; and further that these state punishable by fine or imprisonment, or both, un application or any patent issued thereon.	ments were made with t	the knowledge th	rat willful falsı	e stateme	nts and the like so made are		

Name of Sole or I	First Invento	st Inventor: A petition has been filed for this unsigned inventor								
Given Na		Family Name or Sumeme								
Nigel J.					TOLSON	ı				
Inventor's Signature								Date	07/06/02	
Residence: City	Reading		State	Berks	Country	GB		Citizenship	GB	
Post Office Address				•						
Post Office Address	5 Brading	Way,	Purley-or	-Thames						
city	Reading	State	Berks	ZIP	RG8 8B	S	Country	GB		
Odditional investo	es ara baina ar		o dos		l Additional I		abaat(a) OTO	1001074	abad basets	

Steve Khowles, VP, PROPIAN, INC. on behalf of Nigel J. Tolson

Date CA. 95138

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING FACSIMILE TRANSMITTED TO THE PATENT AND TRADEMARK OFFICE ON THE DATE SHOWN BELOW.

Name of person signing certification	ation:	·	
Date:	Signature:		
			DATEN

PATENT Attorney's Docket Nos. 111228TWT.US and 111228CX3.US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Applications of

TOLSON

Application Nos.: 10/040,535; 10/040,534

Filed: 12/28/01

For: TWIN-T DUAL NOTCH FILTER

and FREQUENCY SYNTHESIZER FOR DUAL MODE RECEIVER

Group Art Unit:

RECEIVED

Examiner:

JAN 1 3 2003

Technology Center 2600

Office of Petitions

RECEIVED
DEC 0 4 2002
UFFICE OF PETITIONS

I, Michael J. Ure, DECLARE THAT:

- I am the attorney of record in the subject patent applications. I am currently responsible for the applications and have been from the time of filing.
- 2. The "docs" referred to in the history of Mr. Tolson's e-mail reply of July 31, 2002 (submitted previously) are the declaration and assignment for each of the subject applications. These documents were attached as e-mail attachments to a prior e-mail that I sent to Mr. Tolson. Copies of these e-mail attachments as they were sent to Mr. Tolson with the prior e-mail are attached hereto.
- 3. Subsequent to filing of the subject applications on December 28, 2001, and prior to April

PATENT
Attorney's Docket Nos. 111228TWT.US and
111228CX3.US

15, 2002 (the approximate date of termination of Mr. Tolson's employment with Tropian, the rightful assignee), I sent to Mr. Tolson, also by e-mail, complete copies of the applications as filed, together with declaration and assignment documents, substantially identical to those attached hereto, for Mr. Tolson's signature. No copy of the e-mail sending the applications to Mr. Tolson currently exists. However, in subsequent telephone communications with Mr. Tolson, he acknowledged to me that he had received the e-mail, the copies of the applications and the declaration and assignment documents.

- 4. Besides the subject applications, Mr. Tolson was named as inventor on only one other patent application for Tropian; in that other patent application, Mr. Tolson was one of several co-inventors, whereas he is named as the sole inventor of the subject applications. Because of these circumstances, when I resent the "docs" by e-mail to Mr. Tolson for signature, there was no doubt in my mind that Mr. Tolson would correctly associate the documents with the application copies sent previously. Had I had any doubt, I would have resent the application copies along with the documents.
- 5. During his employment with Tropian, Mr. Tolson was as a design engineer with responsibility for RF (cellular telephony) receivers. The inventions described in the subject applications relate directly to work carried out by Mr. Tolson for Tropian within the term of his employment. By the terms of Mr. Tolson's employment agreement with Tropian (submitted previously), Tropian is the rightful assignee of these inventions.

Attorney's Docket Nos. 111228TWT.US and 111228CX3.US

6. The undersigned further declares that all statements made herein of his own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statement and the like so made are punishable by fine, imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

Date: December 3, 2002

Please type a plus sign (+) Inside this box -> +

OR

DECLARATION FOR UTILITY OR

**DESIGN** 

PATENT APPLICATION (37 CFR 1.63)

Declaration

required)

Filing (surcharge

(37 ČFR 1.16 (e))

valid QMB control number.

Declaration

Filing

Submitted

with Initial

408-6174856

Attorney Docket Number 111228TWT.US TOLSON First Named Inventor COMPLETE IF KNOWN Application Number 10/040,535 12/28/02 Filing Date Submitted after Initial Group Art Unit Examiner Name

Technology Center 260b As a below named inventor, I hereby declare that: My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Twin-T dual notch filter the specification of which (Title of the Invention) is attached herelo OR was filed on (MM/DD/YYYY) 12/28/2002  $\mathbf{Z}$ as United States Application Number or PCT International Application Number 10/040.535 and was amended on (MM/DD/YYYY) I hereby state that I have reviewed and understand the contents of the above identified epecification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 385(b) of any foreign application(s) for patent or inventor's certificate, or 365(s) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is daimed. Certified Copy Attached? **Priority** Prior Foreign Application Foreign Filing Date Number(s) Country (MM/DD/YYYY) **Not Claimed** YES NO  $\bar{\Box}$ 靣 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto: I horoby claim the benofit under 35 U.S.C. 119(e) of any United States provisional application(s) [isted below. Application Number(s) Filing Date (MM/DD/YYYY) Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

(Page 1 of 2)

Burdan Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box 🛸 🕒

# **DECLARATION** — Utility or Design Patent Application

DECEA	<u> </u>					_							
hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or \$65(c) of any PCT international application designating the Inited States of America, listed below end, insofar as the subject matter of each of the claims of this application is not disclosed in the prior Inited States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose niormation which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.													
	nt Applicatio Numbe	n or f					rent F MM/DI		ng Date			nt Patent N (If applicab	
		•											
Additional U.S. or PCT international application numbers are listed on a supplemental priority data shoot PTO/SB/02B strached hereto,													
As a named Inventor, I he	edt trienne uden	followin		tared or	ortilinaeri	e) to p	cosecut	e thi	a application	n and to	transar	ct all business	in the Patent
and Trademark Office co	nnected therewith		Custom	ner Num	ber	-, <del>-</del> -				<b>`</b>	· [	Prace Cusic	mer
		_	OR			name	/registre	ation	n number list	ted belor	" L	Number Bar Lahelhe	
Name			ug	Regist	ration		Τ		Nam				stration mber
Michael J. Ure			33.0	n89									
Desirtured													
Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.													
Direct all correspondence to: Customer Number or Bar Code Label						ress below							
Name						-							
Address					-				•				
Address													
City						Τ,	State			ZIP			
Country			Те	lephor	10			-		Fax			
I hereby declare that all believed to be true; and punishable by fine or in application or any patent	norisonment or l	le hero se state both, vi			a purioda o	are t the ki that	nue end rowledge such wi	the e th illful	it all statem ust willful fel I false state	ents me se state ments n	ide on iments nay jeo	information and the like a spardize the va	id belief are o made are alidity of the
Name of Sole or F	irst Inventor						A petit	ion	has been	filed fo	r this u	insigned inve	intor
Given Nar	ne (first and mi	ddle [i	anyD					_	Famil	Name	or Su	mame	
Nigel J.						Т	OLSC	N					
Inventor's Signature												Date	07/06/02
Residence: City	Reading			State	Berks		Country		GB			Citizanship	GB
Past Office Address										_			
Post Office Address	5 Brading	₩ay,	Purle	ey-on-	Thame	s							
City	Reading	State	Berl	ks	217	,   F	RG8 8	BS	3	Cou	ntry	GB	
Additional invento	rs are being na	med o	n the	51	pplemen	tal A	ditiona	ı) In	ventor(s)	sheet(s	) PTO/	SB/02A atta	ched hereto

111228TWT.US	1	11	228	rw	T.L	IS
--------------	---	----	-----	----	-----	----

## ASSIGNMENT

(SOLE)

residing ; (hereinafter		S ASSIGNMENT, by Nigel J. TOLSON  5 Brading Way Purley-on-Thames Reading Berks, GB RG8 8BS  ed to as "the Assignor"), witnesseth:
Twin-T du set forth in	iai not	EREAS, the Assignor has invented certain new and useful improvements in children plication, which is a
		☐ provisional application ☐ non-provisional application
	1.	(a) ☐ filed herewith; (b) ☐ to be filed;
	2.	having an oath or declaration executed on even date herewith prior to filing of application:
	3,	☑ bearing Application No. 10/040,535 and filed on 12/28/02; and
	MALLIE	TOTAL TRACIAN INC.

WHEREAS, TROPIAN, INC., a corporation duly organized under and pursuant to the laws of THE STATE OF CALIFORNIA, and having its principal place of business at 20813 Stevens Creek Boulevard, Suite 150, Cupertino, California 95014-5649 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the abovementioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth:

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents. or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

Application No. Attorney's Docket No. 111228TWT.US

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

07/06/02 Signature of Assignor Date

Please type a plus sign (+) inside this box -> +

□ Declaration

Submitted

with Initial Filing

**DECLARATION FOR UTILITY OR** DESIGN PATENT APPLICATION (37 CFR 1.63)

□ Declaration

Submitted after Initial

Filing (surcharge (37 CFR 1.16 (e))

408-6174856

PTO/SB/01 (12-97)

Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. a valid OMB control number,

Attorney Docket Nur	ıber	111228CX3.US				
First Named Inventor		TOLSON				
COMPLE	TE II	KNOWN				
Application Number	/ 10/040,534					
Filing Date	12/2	28/02				
Group Art Unit	RECEIVED					
Examiner Name	JAN 1 3 2003					

#### required) Technology Center 2600 As a below named inventor, I hereby declare that: My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Frequency synthesizer for dual mode receiver the specification of which (Title of the Invention) is attached hereto OR was filed on (MM/DD/YYY) | 12/28/2001 as United States Application Number or PCT International Application Number 10/040.534 and was amended on (MM/DD/YYYY) (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the cistims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(s) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filling date before that of the application on which priority is dalmed. Certified Copy Attached? Priority Prior Foreign Application Foreign Filing Date Country Not Claimed (MM/DD/YYYY) YES NO Number(s) $\bar{\Box}$ Additional foreign application numbers are listed on a supplemental priority data sheat PTO/SB/02B attached hereto: I hereby ctalm the benefit under 35 U.S.C. 118(a) of any United States provisional application(s) listed below. Application Number(s) Filing Date (MM/DD/YYYY) Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will very depending upon the needs of the individual case, Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Pro/se/o1 (12-97)
Please type a plus sign (+) inside this box 

+ Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains

a va	lid OMB control	number.		-, parec.		.460000	o reapone w	a LLAIELL	3011 01 1	RIDINIARON GAI	CES (I COMEDIC
DECLA	ARATIC	<u> </u>	<u> </u>	ity or	De	sigi	n Pat	ent.	Aр	plicati	on
I horeby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as doringed in 37 CPR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.											
U.S. Pa	rent Applica Num		PCT Pare	ent			ling Date		Par	ent Patent (if applica	
Additional U.S. of	r PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached h										
As a named inventor, I	hereby appoint t	ne follow	ing registered								
and Trademark Office	connected therex	אנגט: 🔲	Customer Ni						<b>&gt;</b> [	Place Cus Number Ba	tomer
<u> </u>			Registered p		) name/	registrati	ian number (	isted bek	w L	I Rhel h	
Na	me	Istration - umbor	Name					Istration umber			
Michael J. Ure	33,089							•			
Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached herato.											
Direct all correspond	dence to: 🗹		ner Number Code Label	3023	3		OR	☐ c	onesp	ondence add	dress below
Name	<del></del>										
Address											
Address	·		_					Γ -		<u>.</u>	
City			<del></del> -		St	ate		ZIP			
Country			Telepho					Fax			
I horeby declare that a believed to be true; an punishable by fine or i application or any pater	imprisonment, or	both, ur									
Name of Sole or	First Invento	r:			□ A	petitlor	has been	filed for	this t	insigned inve	notne
	me (first and m	riddle (if	anyl)		┼—		Eamily	y Name	ar Su	mame	
Nigel J.					ТО	LSON					
Inventor's Signature					<u>,</u>					Date	7/8/02
Residence: City	Reading		State	Berks	c <sub>0</sub>	Untry	GB			Citizenship	GB
Post Office Address						_					
Post Office Address	5 Brading	Way, I	Purley-on	-Thames							
City	Reading	State	Berks	ZIP	RG	8 8BS	3	Coun	try	GB	
Additional invento	rs are being na	emed on	thesı	ipplementi	al Addit	ional in	ventor(s) s	heet(s)	PTO/S	SB/02A attac	hed herete

11	1228CX3.US	

## ASSIGNMENT

(SOLE)

	THIS	S ASSIGNMENT, by Nigel J. TOLSON
residing a (hereinafter	st _	5 Brading Way Purley-on-Thames Reading Berks, GB RG8 8BS red to as "the Assignor"), witnesseth:
Frequency set forth in a	v synt	EREAS, the Assignor has invented certain new and useful improvements in thesizer for dual mode receiver plication, which is a
		☐ provisional application ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
	1.	(a) ☐ filed herewith; (b) ☐ to be filed;
	2.	having an oath or declaration executed on even date herewith prior to filing of application:
	3.	Dearing Application No. 10/040,534 , and filed on 12/28/02 ; and
	// //	TOPAG TOGGEN ING

WHEREAS, TROPIAN, INC., a corporation duly organized under and pursuant to the laws of THE STATE OF CALIFORNIA, and having its principal place of business at 20813 Stevens Creek Boulevard, Suite 150, Cupertino, California 95014-5649 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the abovementioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives; and assigns, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, abovementioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assigner will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shell advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

7 408-6174856

Application No. \_\_\_\_\_\_\_Attorney's Docket No. \_\_\_\_\_111228TWT.US

AND the Assignor hereby requests the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 07/06/02 Signature of Assignor